

REPORT

issued by an Accredited Testing Laboratory

Contact person RISE

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8P06018-6

Reference

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Protan AS Postboks 420 Brakeroya NO-3002 DRAMMEN Norge

Reaction to fire classification report

1 Introduction

This classification report defines the classification assigned to the product "Protan Ventiflex 6298FR" in accordance with the procedure given in EN 13501-1:2007+A1:2009.

2 Details of classified product

2.1 General

The product "Protan Ventiflex 6298FR" is defined as flexible ventilation ducting for tunnels and mines.

2.2 Product description

According to the client:

Product called "Protan Ventiflex 6298FR", consisting of following:

	Content	Thickness (mm)		
Layer 1	PVC (backside)	0.23		
Layer 2	Polyester textile	0.15		
Layer 3	PVC (topside)	0.23		

The product has a nominal area weight of 0.660 kg/m² and a nominal thickness of 0.60 mm. End use of the material: Flexible ventilation ducting for tunnels and mines.

The product is flame retardant with Sb₂O₃ and ATH into the PVC-matrix.

The colour of the product is yellow (topside) and black (backside).







Test reports & test results in support of classification 3

3.1 **Test reports**

REPORT

This classification is based on the test report listed below:

Name of laboratory	Name of sponsor	Test report ref no	Accredited test method
RISE	Protan AS	8P06018-2	EN 13823 and EN ISO 11925-2

3.2 **Test results**

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN ISO 11925-2		8		
Surface flame attack**				
30 s exposure	F s $\leq 150 \text{ mm}$		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
EN 13823		3		
	FIGRA _{0,2MJ} (W/s)		0	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		0	Compliant
	LFS < edge		(-)	Compliant
	THR_{600s} , (MJ)		0.5	Compliant
	$SMOGRA$, (m^2/s^2)		74	Compliant
	TSP_{600s} , (m ²)		105	Compliant
	Flaming droplets/particles		(-)	No flaming droplets/particles

^{**:} as required to the end use application of the product

(-): not applicable



4 Classification and field of application

4.1 Reference and direct field of application

This classification has been carried out in accordance with clause 11 and 15 of EN 13501-1:2007+A1:2009.

4.2 Classification

The product called "Protan Ventiflex 6298FR" in relation to its reaction to fire behaviour is classified:

В

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming particles/droplets is:

d0

The format of the reaction to fire classification for construction products excluding floorings

and linear pipe thermal insulation product is:

Fire Behaviour	•	Smoke Production			Flaming Droplets	
В	-	s	2	,	d	0

Reaction to fire classification: B-s2,d0



4.3 Field of application:

This classification is valid for the following product parameters:

Nominal thickness: 0.60 mm.

Nominal area weight: 0.660 kg/m².

Composition: See clause 2.2.

This classification is valid for the following end use conditions:

Fixings

- Free standing.
- The product is mounted in a way that edges are mechanically sealed.

The sample was delivered by the client. RISE Fire Research was not involved in the sampling procedure.

5 Limitations

This classification document does not represent type approval or certification of the product.

RISE Research Institutes of Sweden AB Safety - Fire Research Materials

Performed by Examined by

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